AMENDMENTS TO THE CLAIMS

1. (Currently Amended)   A semiconductor device having a music generation function comprising:

movement section identification means for identifying, from image data of an object continuously imaged and inputted as image data for each frame, each position where the object has moved within the frame by comparing the image data in a plurality of the frames, and

music generation means for generating music data corresponding to the position identified by the movement section identification means.

2. (Original) The semiconductor device having a music generation function according to claim 1, wherein said music generation means generates the music data from a sound source of a music instrument which corresponds to the position identified by the movement section identification means.

3. (Original) The semiconductor device having a music generation function according to claim 1, wherein said music generation means generates music data by a scale which corresponds to the position identified by the movement section identification means.

4-6. (Cancelled)

7. (Original) A mobile electronic device comprising:

the semiconductor device having a music generation function according to claim 1, and

imaging means for inputting the image data.

8-12. (Cancelled)

13. (Original) The mobile electronic device according to claim 7 further comprising means for outputting the music data generated by the music generation means.

14. (Original) The mobile electronic device according to claim 7 further comprising:

image processing means for processing the image data inputted by the imaging means corresponding to the position identified by the movement section identification means, and

display means for displaying the image data processed by the image processing means.

15-16. (Cancelled)

17. (Original) A mobile telephone device comprising:

the semiconductor device having a music generation function according to claim 1,

imaging means for inputting the image data, and

means for outputting the music data generated by the music generation means.

18-22. (Cancelled)

23. (Original) A spectacle instrument comprising:

the semiconductor device having a music generation function according to claim 1,

imaging means for inputting the image data, and

means for outputting the music data generated by the music generation means.

24. (Original) A spectacle instrument set comprising:

the semiconductor device having a music generation function according to claim 1,

a music output device for outputting the music data generated by the music generation means, and

a spectacle instrument having imaging means for inputting the image data and means for transmitting the image data inputted by the imaging means to the semiconductor device.

25. (Original) A spectacle instrument set comprising:

the semiconductor device having a music generation function according to claim 3,

a music output device for outputting the music data generated by the music generation means, and

a spectacle instrument having imaging means for inputting the image data and means for transmitting the image data inputted by the imaging means to the semiconductor device.

26 - 27. (Cancelled)